

## **ABSTRACT**

A computer-aided-educational method and system that consider a student's concentration level when teaching the student. The system monitors automatically more than once the student's concentration-sensitive behavior while the student is working on the study materials. Through monitoring the student's volitional or involuntary behavior, the system provides an indication on the student's concentration level. Based on the indication, the system could react accordingly. Reactions include, for example, providing rewards, punishments, and stimulation; or changing the study materials. The system can also react by asking the student a question to stimulate the student or to assess the student's understanding level. Based on the student's response, the system may change to more appropriate study materials, or presentation style.